4   Display unit

[Document name] Abstract
Abstract
Purpose

To detect the pitching of a vehicle, and to correctly detect the presence of an object the front of the vehicle itself with said pitching being taken into consideration.

Constitution:

Microcomputer (3) performs image processing for the image [of the object] from the front the vehicle itself and captured by camera (1), computes the velocity and acceleration of the object present in the picked-up image, and based on the computed acceleration of the object, judges whether the picked-up image was captured when the vehicle itself was balanced. If it is judged to be an image captured when the vehicle itself was not balanced, the position of the object present in the picked-up image is computed based on the picked-up image captured when the vehicle itself was balanced.

Selected Figure: Figure 1

[Document name] Figures